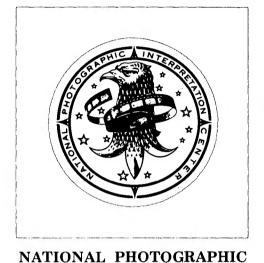
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INTERPRETATION CENTER

PHOTOGRAPHIC INTERPRETATION REPORT

25X1

SOVIET NATIONAL-LEVEL, VIP-SUPPORT AIRBORNE-COMMAND-RELATED AIRCRAFT (TSRU)

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PIR-023/79 MAY 1979

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SOVIET NATIONAL-LEVEL, VIP-SUPPORT/AIRBORNE- COMMAND-RELATED AIRCRAFT (TSRU)
INTRODUCTION
1. (TSRU) Through analysis of overhead and hand-held imagery
five types of Soviet aircraft related to national-level VIP support and/or
borne command have been identified. These aircraft have been temporarily designated
follows: CLASSIC Communications Satellite Modified (Comsat Mod), CRUSTY Com- Mod, CRUSTY VIP Mod, COOT Airborne Command Post Modified (ACP Mod), and
OT Relay Mod. This report presents key photographic signatures and overhead or
d-held imagery of each aircraft and a brief discussion and imagery of Moscow/Shchel-
and Moscow/Vnukovo Airfields, USSR, where all
of these types of aircraft have been observed.
DESCRIPTION
LASSIC Comsat Mod
Abbie comsut viou
All of the CLAS-
Comsat Mods observed thus far have had civilian markings. A list of the BNs of those
Comsat Mods observed thus far have had civilian markings. A list of the BNs of those ASSIC Comsat Mods identified from photography is included on
Comsat Mods observed thus far have had civilian markings. A list of the BNs of those ASSIC Comsat Mods identified from photography is included on one of these ure 1. On at Tashkent Airfield South
Comsat Mods observed thus far have had civilian markings. A list of the BNs of those ASSIC Comsat Mods identified from photography is included on one of these traft was observed This aircraft
Comsat Mods observed thus far have had civilian markings. A list of the BNs of those ASSIC Comsat Mods identified from photography is included on one of these craft was observed This aircraft apparently later repainted and now appears to be similar to a conventional IL-62
Comsat Mods observed thus far have had civilian markings. A list of the BNs of those ASSIC Comsat Mods identified from photography is included on one of these craft was observed This aircraft apparently later repainted and now appears to be similar to a conventional IL-62
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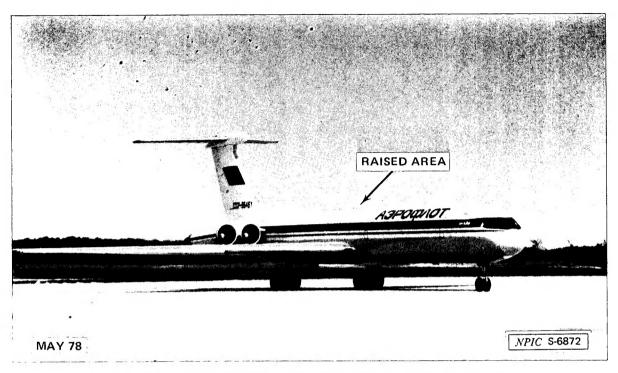


FIGURE 2. CLASSIC COMSAT MOD, ANDREWS AIR FORCE BASE, USA

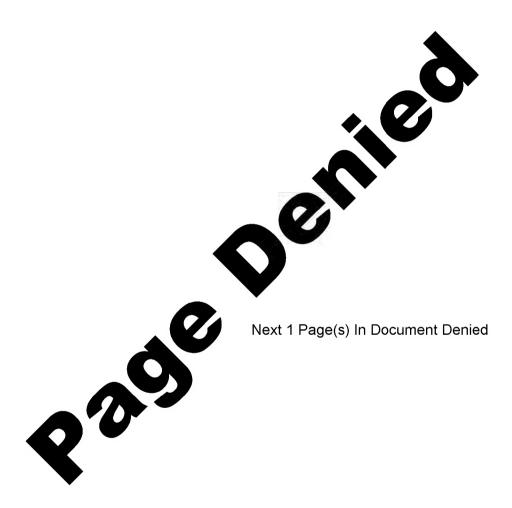
CRUSTY Comsat Mod

111 __

	25 X 1
This aircraft has not been identified from photography; however, a TU-134 CRUSTY with a modified raised area similar to that	25X1 25X1
previously seen on the CLASSIC Comsat Mod was observed on The	25X1 25X1
5. (TSR) The CRUSTY Comsat Mod, unlike the conventional TU-134 CRUSTY, has	
observed thus far have had civilian markings. The only BN identified on a CRUSTY	25X1
Comsat Mod from photography	25X1

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CRUSTY VIP Mod

CRUSTI VIP Mod	
6. (TSRU) The CRUSTY VIP Mod was identified through analysis of hand-held photography of a modified TU-314 CRUSTY which supported the movements of Soviet Defense Minister Ustinov during 1978, and of satellite imagery of a similar aircraft observed at both Kharkov Airframe Plant 135 and Moscow/Shchelkovo Airfield.	25X ² 25X ²
7. (TSR) The CRUSTY VIP Mod, unlike the conventional TU-134 CRUSTY, has	25X
The only BN identified on a CRUSTY VIP Mod from photogra- phy is COOT ACP Mod	25X
These aircraft were first observed on imagery at Ramenskoye Flight Test	
and later at Moscow/Shchelkovo Airfield.	25 X °
9. (TSR) The COOT ACP Mod, unlike the civilian IL-18 COOT,	25X
COOT ACP Mods have usually been observed with civilian markings, but at least one had military markings. This aircraft with military markings may have been withdrawn from military service for conversion to a COOT ACP Mod and subsequently repainted. It was last positively identified at Ramenskoye Flight Test Center on A list of the BNs of those COOT ACP Mods identified from imagery is included on Figure 8.	.25 X °
COOT Relay Mod	
	25X

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FIGURE 7. CRUSTY VIP MOD, HELSINKI-VANTAA AIRPORT, FINLAND

11. (TSR) The COOT Relay Mod, unlike the conventional IL-18 COOT,
All COOT Relay Mods that have been observed have had civilian markings. The only BNs identified on the COOT Relay Mod from photography are
Moscow/Shchelkovo Airfield
12. (TSRU) All five of the previously discussed types of aircraft related to national-
level VIP support and/or airborne command have been identified on photography of Moscow/Shchelkovo Airfield,
Figure 12 is a mosaic from
of Moscow/Shchelkovo Airfield showing the usual parking
locations of the various types of national-level, VIP-support/airborne-command-related aircraft. Table 1 lists the numbers and types of these aircraft identified at Moscow/Shchel-
kovo Airfield from

25X1 25X1

25X1

25X1

25X1 √25X1 25X1



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oscow/Vnukovo Airfield
13. (TSRU) Moscow/Vnukovo Airfield
² The CLASSIC
omsat Mod is the only one of the five types of national-level, VIP-support/airborne-mmand-related aircraft discussed in this report that has been identified at this airfield.
initialid-related afficiant discussed in this report that has been identified at this afficial.
is is probably due to a lack of high-resolution/large-scale coverage of the airfield. Usu-
ly 12 to 16 CRUSTY and three to four COOT are observed parked at the airfield near the
his is probably due to a lack of high-resolution/large-scale coverage of the airfield. Usuly 12 to 16 CRUSTY and three to four COOT are observed parked at the airfield near the real parking location of the CLASSIC Comsat Mod (Figure 13). A number of these recraft may be national-level, VIP-support/airborne-command-related types.

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borne-command-related aircraft identified at Moscow/Vnukovo Airfield from

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25X1 25X1

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Table 1

National-Level, VIP-Support/Airborne-Command-Related Aircraft Identified at Moscow/Shchelkovo Airfield, February 75 — December 78*

This table in its entirety is classified TOP SECRET RUFF UMBRA

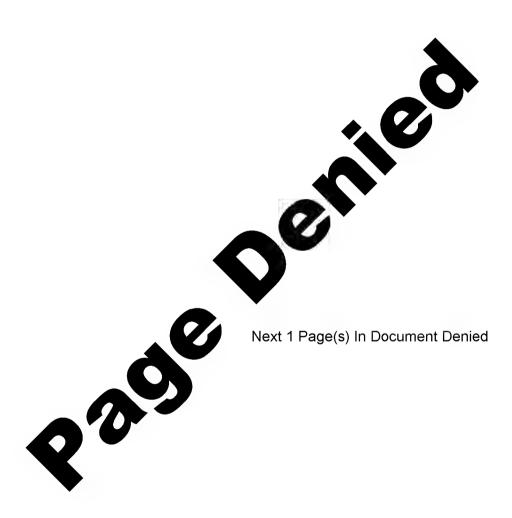
Date	No & Type of Aircraft	Remarks
	_	None Discernible
	_	None Discernible
	_	None Discernible
	1 COOT ACP Mod	
	1 Poss COOT ACP Mod	
	1 COOT ACP Mod	
	_	None Discernible
	1 COOT ACP Mod	
	2 COOT Relay Mod	
	2 Poss COOT Relay Mod	
	_	None Discernible
	1 COOT ACP Mod	
	1 COOT ACP Mod	
	1 Poss COOT ACP Mod	
		None Discernible
	1 CLASSIC Comsat Mod	None Discernible
	1 CRUSTY Comsat Mod	
	3 COOT Relay Mod	Name Discounible
	_	None Discernible
	— — — — — — — — — — — — — — — — — — —	None Discernible
	2 COOT ACP Mod	
	1 COOT ACP Mod	
	2 Poss COOT ACP Mod	Name Discounting
		None Discernible
	1 COOT ACP Mod	
	_	None Discernible
	6 COOT ACP Mod	
	2 CLASSIC Comsat Mod	
	6 COOT ACP Mod	
	2 Prob CLASSIC Comsat Mod	
	6 COOT ACP Mod	
	2 Poss CLASSIC Comsat Mod	
	2 COOT ACP Mod	
	5 Poss COOT ACP Mod	
	2 CLASSIC Comsat Mod	
	1 CRUSTY Comsat Mod	
	. Gridger Golffort Midd	

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Table 1 (cont)

	Table T (COIT!)		
Date	No & Type of Aircraft	Remarks	
	2 COOT ACP Mod		25X1
	2 CLASSIC Comsat Mod		
	1 OPLICENCE		25X1
	1 CRUSTY Comsat Mod		
	1 CRUSTY VIP Mod		
	1 Prob COOT Relay Mod		
	5 COOT ACP Mod 2 Prob CLASSIC Comsat Mod		•
	1 Prob CRUSTY Comsat Mod		
	1 Prob COOT Relay Mod		
	8 COOT ACP Mod		25X1
			25X1
			20/(1
	2 CLASSIC Comsat Mod		
			25X1
	1 CRUSTY Comsat Mod		
	2 CRUSTY VIP Mod		
	3 COOT Relay Mod		
	8 COOT ACP Mod		25 X 1
			25 X 1
	2.61.46610.01		
	2 CLASSIC Comsat Mod		0574
	1 Prob CRUSTY Comsat Mod		25 X 1
	1 COOT Relay Mod		
		Cloud covered	
	5 COOT ACP Mod		
	8 Prob COOT ACP Mod		
	6 COOT ACP Mod		
	8 COOT ACP Mod		
	1 Prob CLASSIC Comsat Mod		
	1 Poss CLASSIC Comsat Mod		•
	8 COOT ACP Mod		25X1
			,25 X 1
	O COOT ACR M-1		
	9 COOT ACP Mod 2 Prob CLASSIC Comsat Mod		
	7 COOT ACP Mod		✓
	9 COOT ACP Mod		
	3 CLASSIC Comsat Mod		
	6 COOT ACP Mod		
	1 CLASSIC Comsat Mod		'
	1 Prob CLASSIC Comsat Mod		,
*Bort numbers giv	ven when identified.		•
			25X1
	- 12 -		1
	Top Secret		25 X 1

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Table 2

National-Level, VIP-Support/Airborne-Command-Related Aircraft Identified at Moscow/Vnukovo Airfield, February 75 — December 78*

This table in its entirety is classified TOP SECRET RUFF UMBRA

Date	No & Type of Aircraft	Remarks
	_	None discernible
		None discernible
		None discernible
	_	None discernible
	_	None discernible
	1 CLASSIC Comsat Mod	
	1 Prob CLASSIC Comsat Mod	
	1 CLASSIC Comsat Mod	
	1 Prob CLASSIC Comsat Mod	
		None discernible
	_ 	None discernible
	_	None discernible
	1 CLASSIC Comsat Mod	
	_	None discernible
	_	None discernible
		None discernible
		None discernible
	_	None discernible
	2 Prob CLASSIC Comsat Mod	
	-	None discernible
	-	None discernible
	-	None discernible
	_	None discernible
	2 Prob CLASSIC Comsat Mod	
	_	None discernible
	_	None discernible
	4 CLASSIC Comsat Mod	

25X1

25X1

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coverage last available in 1978.

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REFERENCES

TRA	٨	CE	$\mathbf{p}\mathbf{v}$

(TSR) All KEYHOLE imagery of suitable interpretability acquired through December 1978 was used in the preparation of this report.

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Small-Format Imagery

Accession No	Date	Classification	Figure No
1517368	May 78	UNCLASSIFIED	2
6 831 0226 78	18 Jul 78	UNCLASSIFIED	7
2 217 7048 78	10 May 78	CONFIDENTIAL	9, 10 (top), 11
2 217 7062 75	1975	CONFIDENTIAL	10 (bottom)
6 844 0099 77	29 Apr 77	CONFIDENTIAL	
6 831 0221 77	7 Oct 77	SECRET	
6 843 0339 78	17 May 78	CONFIDENTIAL	_
6 843 0359 78	26 May 78	CONFIDENTIAL	_
	1517368 6 831 0226 78 2 217 7048 78 2 217 7062 75 6 844 0099 77 6 831 0221 77 6 843 0339 78	1517368 May 78 6 831 0226 78 18 Jul 78 2 217 7048 78 10 May 78 2 217 7062 75 1975 6 844 0099 77 29 Apr 77 6 831 0221 77 7 Oct 77 6 843 0339 78 17 May 78	1517368 May 78 UNCLASSIFIED 6 831 0226 78 18 Jul 78 UNCLASSIFIED 2 217 7048 78 10 May 78 CONFIDENTIAL 2 217 7062 75 1975 CONFIDENTIAL 6 844 0099 77 29 Apr 77 CONFIDENTIAL 6 831 0221 77 7 Oct 77 SECRET 6 843 0339 78 17 May 78 CONFIDENTIAL

DOCUMENTS

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2.	DEFSMAC.	S/DQ/438-78,	SS-20	IRBM	Launched	from	KYMTR,	10	October	1978,	101512 Z	Oct	78
	(SECRET)					-							

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REFERENCES (Continued)	
QUIREMENT	
Project 130058NE	
(S) Comments and queries regarding this report are welcome. They may be directed to Warsaw Pact Forces Division, Imagery Exploitation Group, NPIC,	
(S) The author wishes to acknowledge the extensive contributions to this report by	

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List of Conversion Factors by Classification

UNITS OF LENGTH

UNITS OF MASS

IF YOU HAVE	MULTIPLY BY	TO OBTAIN	IF YOU HAVE	MULTIPLY BY	TO OBTAIN
MILLIMETERS	0.0394	INCHES	KILOGRAMS	2.2046	POUNDS(AVOIR.)
CENTIMETERS	0.3937	INCHES	POUNDS(AVOIR.)	0.4536	KILOGRAMS
INCHES	25.4000	MILLIMETERS	SHORT TONS	0.9072	METRIC TONS
INCHES	2.5400	CENTIMETERS	METRIC TONS	1.1023	SHORT TONS
FEET	0.3048	METERS	METRIC TONS	0.9842	LONG TONS
FEET	0.0003	KILOMETERS	LONG TONS	1.0160	METRIC TONS
YARDS	0.9144	METERS			
METERS	3.2808	FEET			
METERS	0.0005	MILES(NAUTICAL)			
METERS	1.0936	YARDS	UNITS OF VOLUME		
KILOMETERS	3280.8400	FEET			
KILOMETERS	0.6214	MILES(STATUTE)	IF YOU HAVE	MULTIPLY BY	TO OBTAIN
KILOMETERS	0.5400	MILES(NAUTICAL)	LITERS	0.2642	GALLONS
MILES(STATUTE)	1.6093	KILOMETERS	LITERS	0.0063	BARRELS(POL)
MILES(NAUTICAL)	6076.1154	FEET	LITERS	0.0010	CUBIC METERS
MILES(NAUTICAL)	1.8520	KILOMETERS	GALLONS	3.7854	LITERS
MILES(NAUTICAL)	1852.0000	METERS	GALLONS	0.1337	CUBIC FEET
			GALLONS	0.0238	BARRELS(POL)
			GALLONS	0.0038	CUBIC METERS
			BUSHELS	0.0352	CUBIC METERS
UNITS OF AREA			CUBIC FEET	7.4805	GALLONS
IF YOU HAVE	MULTIPLY BY	TO OBTAIN	CUBIC FEET	0.1781	BARRELS(POL)
SQUARE CENTIMETER	S 0.1550	SQUARE INCHES	CUBIC FEET	0.0283	CUBIC METERS
SQUARE INCHES	6.4516	SQUARE CENTIMETERS	CUBIC YARDS	0.7646	CUBIC METERS
SQUARE FEET	0.0929	SQUARE METERS	BARRELS(POL)	158.9873	LITERS
SQUARE YARDS	0.8361	SQUARE METERS	BARRELS(POL)	42.0000	GALLONS
SQUARE METERS	10.7639	SQUARE FEET	BARRELS(POL)	5.6146	CUBIC FEET
SQUARE METERS	1.1960	SQUARE YARDS	BARRELS(POL)	0.1590	CUBIC METERS
SQUARE METERS	1.0000	CENTARES	CUBIC METERS	1000.0000	LITERS
SQUARE METERS	0.0002	ACRES	CUBIC METERS	264.1721	GALLONS
SQUARE METERS	0.0001	HECTARES	CUBIC METERS	35.3147	CUBIC FEET
ACRES	4046.8564	SQUARE METERS	CUBIC METERS	28.3776	BUSHELS
ACRES	0.4047	HECTARES	CUBIC METERS	6.2898	BARRELS(POL)
HECTARES	10000.0000	SQUARE METERS	CUBIC METERS	1.3080	CUBIC YARDS
HECTARES	2.4711	ACRES			

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